

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application.

Listing of Claims:

1. – 10. (Cancelled).
11. (Currently Amended) A method for forming a holographic diffraction grating on a substrate comprising the steps of:
 - a) applying a curable compound to at least a portion of the substrate;
 - b) contacting at least a portion of the curable compound with diffraction grating forming means;
 - c) curing the curable compound and
 - d) depositing a metallie-vacuum deposited metal pigment ink on at least a portion of the cured compound, wherein the metallie-vacuum deposited metal pigment ink has a thickness when deposited on a substrate which permits a transmission of light therethrough.
12. – 19. (Cancelled).
20. (Currently Amended) The method as claimed in claim [[19]]11, wherein the light transmission as a percentage is at least 30%.
21. – 22. (Cancelled).
23. (Currently Amended) The method as claimed in claim 11, wherein the metallie vacuum deposited metal pigment ink has an optical density when deposited in the range of light transmission.
24. (Previously Presented) The method as claimed in claim 23, wherein the optical density is in a range of 0.2 to 0.8 as measured by a Macbeth densitometer.

25. – 35. (Cancelled).

36. (Previously Presented) The method as claimed in claim 11, wherein the curable composition is a lacquer.

37. (Cancelled).

38. (Previously Presented) The method as claimed in claim 36, wherein the curable lacquer is cured by means of an ultraviolet (U.V.) light.

39. – 52. (Cancelled).

53. (Previously Presented) A hologram obtained using the method of claim 11.

54. (Currently Amended) The method as claimed in claim 11, wherein the ~~metallic~~ vacuum deposited metal pigment ink comprises metal pigment particles and a binder.

55. (Previously Presented) The method as claimed in claim 54, wherein the metal pigment particles are selected from the group consisting of aluminium, stainless steel, nichrome, gold, silver, platinum and copper.

56. (Previously Presented) The method as claimed in claim 54, wherein the metal pigment particles have a thickness in the range of 100 to 500 angstroms.

57. (Previously Presented) The method as claimed in claim 54, wherein the metal pigment particles have a thickness in the range of 190 to 210 angstroms.

58. (Previously Presented) The method as claimed in claim 11, wherein the substrate is translucent.

59. (Previously Presented) The method as claimed in claim 11, wherein in step d), depositing is by printing.

60. (Previously Presented) The method as claimed in claim 58, wherein the substrate has a first surface and a second surface, and the grating is viewable from both the first and second surfaces.

61. (Previously Presented) The method as claimed in claim 11, wherein the substrate has a first surface, and is opaque, wherein in step d), the grating is viewable from the first surface.

62. (Previously Presented) The method as claimed in claim 59, wherein in step d), depositing is by Gravure printing.

63. (Previously Presented) The method as claimed in claim 36, wherein the curable lacquer is cured by means of an electron beam.

64. (Currently Amended) A method for forming a holographic diffraction grating on a substrate comprising the steps of:

- a) applying a curable compound to at least a portion of the substrate;
- b) contacting at least a portion of the curable compound with diffraction grating forming means;
- c) curing the curable compound; and
- d) depositing a metallie-vacuum deposited metal pigment ink on at least a portion of the cured compound, wherein the metallie-vacuum deposited metal pigment ink comprises metal pigment particles wherein the metal pigment particles have a thickness in the range of 100 to 500 angstroms.

65. (Previously Presented) The method according to claim 64, wherein the metal pigment particles have a thickness in the range of 100 to 210 angstroms.

66. (Currently Amended) An inline method for forming a holographic diffraction grating on a substrate comprising the steps of:

- a) applying a curable compound to at least a portion of the substrate;
- b) contacting at least a portion of the curable compound with diffraction grating forming means;
- c) curing the curable compound; and
- d) depositing a ~~metallie~~vacuum deposited metal pigment ink on at least a portion of the cured compound.

67. (Currently Amended) The method according to claim 11, wherein the ~~metallie~~vacuum deposited metal pigment ink comprises metal pigment particles, wherein the metal pigment particles have a thickness in the range of 100 to 210 angstroms.